



## **USB303HE**

USB 3.0 HUB with Gigabit Ethernet Adapter

# **User's Manual**

## ABOUT THIS MANUAL

This manual provides a beginner's introduction to installing, configuring and using the Diamond USB3.0 Gigabit Ethernet Adapter. Information in this document has been carefully checked for accuracy; however, no guarantee is given to the correctness of the contents. The information in this document is subject to change without notice. Diamond Multimedia makes no representations or warranties, either expressed or implied, with respect to the contents hereof and specifically disclaims any warranties, merchantability, or fitness for any particular purpose.

## SAFETY INSTRUCTIONS

Always read the safety instructions carefully:

- Keep this User's Manual for future reference
- Keep this equipment away from humidity
- If any of the following situation arises, get the equipment checked by a service technician:
  - The equipment has been exposed to moisture.
  - The equipment has been dropped and damaged.
  - The equipment has obvious sign of breakage.
  - The equipment has not been working well or you cannot get it to work according to the User's Manual.

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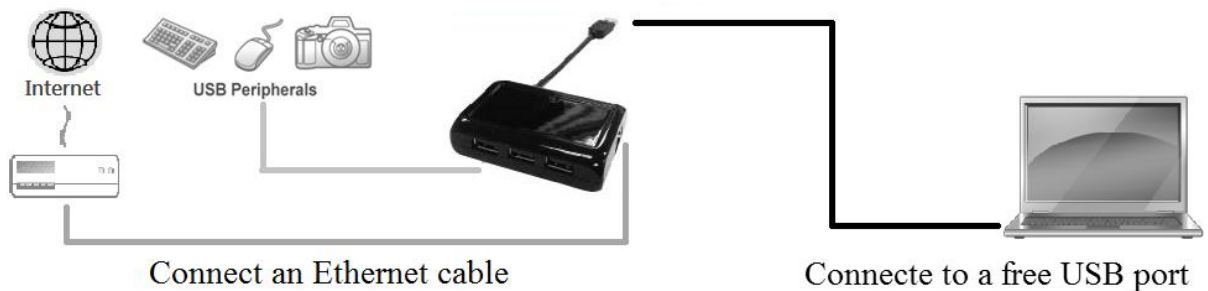
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# 1. Introduction

The Diamond UE3000 USB 3.0 Gigabit Ethernet adapter, is a high performance and simple plug-and-play Gigabit Ethernet network connection capability for desktops, notebook PC's, Ultrabook's, docking stations, game consoles, digital-home appliances, and any embedded system using a standard USB port.

The USB3.0 Gigabit Ethernet adapter offers a wide array of features including IPv4/IPv6 checksum offload engine, crossover detection and auto-correction, TCP large send offload and IEEE802.3az EEE (Energy Efficient Ethernet) that allows to enter a low power idle state to reduce power and to achieve a more energy efficient Ethernet. It supports dynamic cable length detection and dynamic power adjustment Green Ethernet in Gigabit mode.



## Features

- Compliant with USB3.0 , USB 2.0 specifications
- One up-stream supports Super-speed, high-speed and full-speed traffic
- Three down-stream ports support Super-speed, high-speed, full-speed and low-speed traffic
- IEEE 802.3, 802.3u, and 802.3ab compatible
- Supports IPv4/IPv6 packet Checksum Offload Engine (COE) to reduce CPU loading
- Supports full duplex operation with IEEE 802.3x flow control
- Supports Jumbo frame
- Supports remote wakeup via link-change, Magic Packet, Microsoft wakeup frame.



## 2. Installation

### Driver installation

#### On Windows® Operating Systems

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**Caution: DO NOT** connect the Ethernet Adapter to your computer before you install the provided driver.

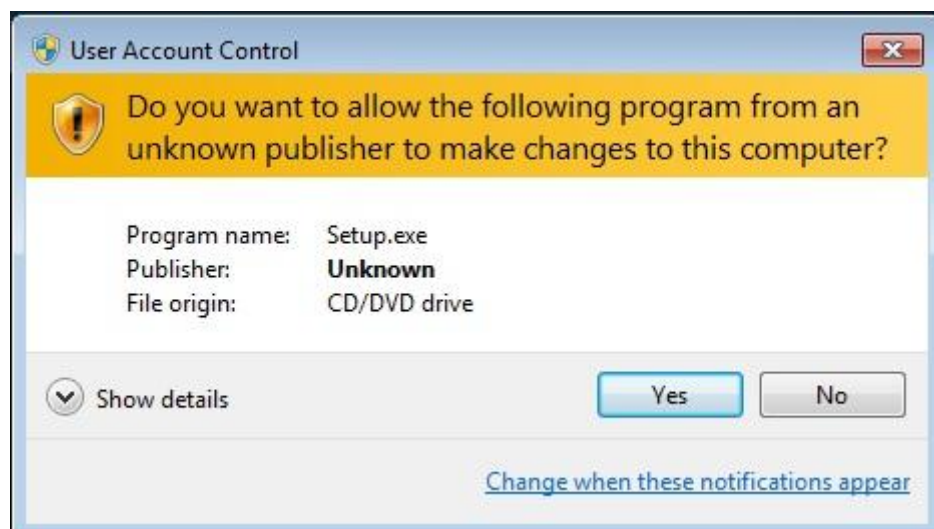
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1. Insert the provided Driver CD into your disc drive. Please locate and double-click the **setup.exe** file under **x:\Driver\** where x is your disc drive letter.

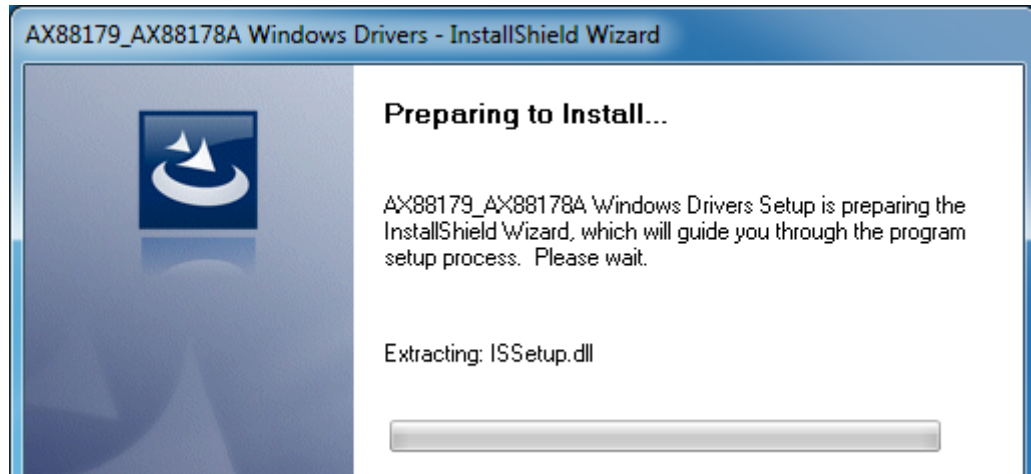


Notice :

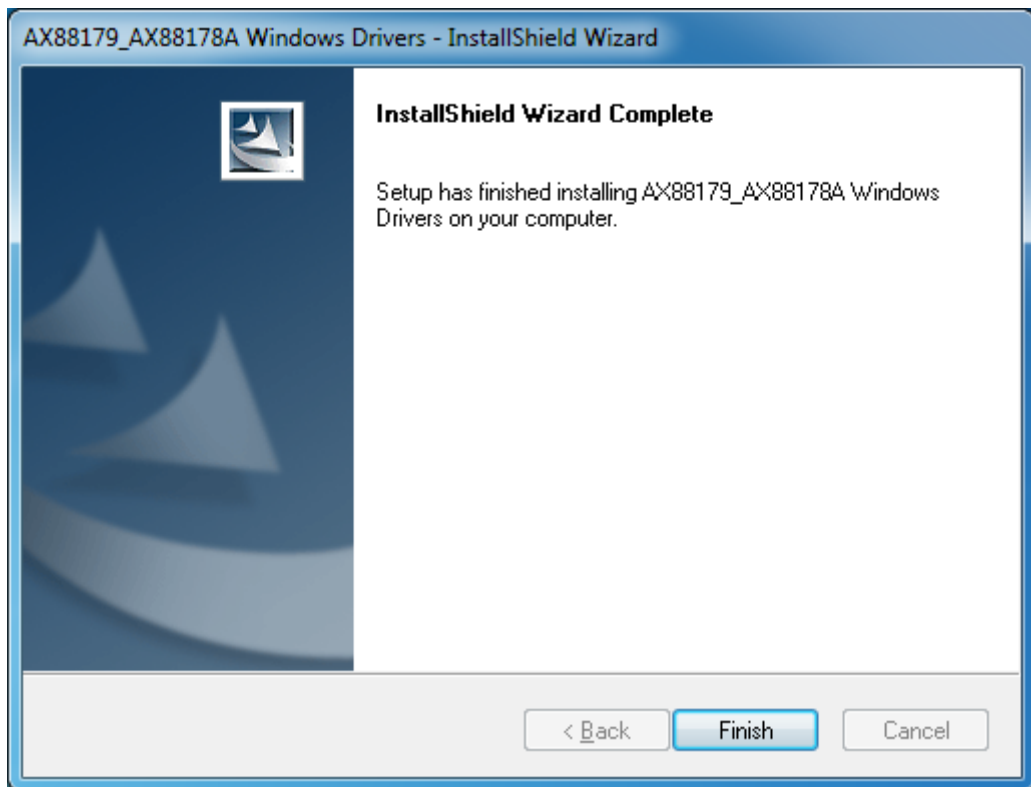
It will encounter a **User Account Control** dialog box when attempting to install a program, please click **Yes** to start the installation.



2. Wait a while for the program to install the driver.

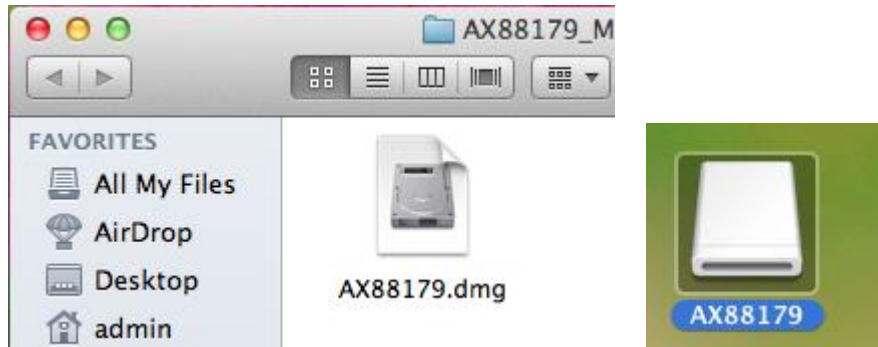


3. When the installation is done, click **Finish**.

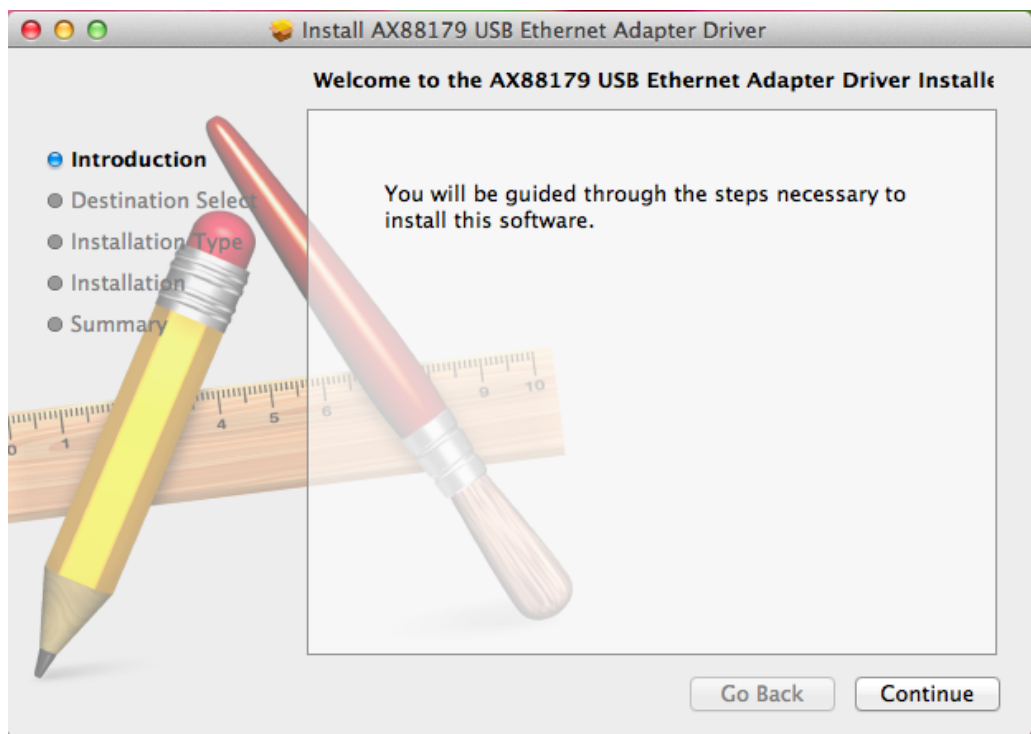


## On Mac OSX

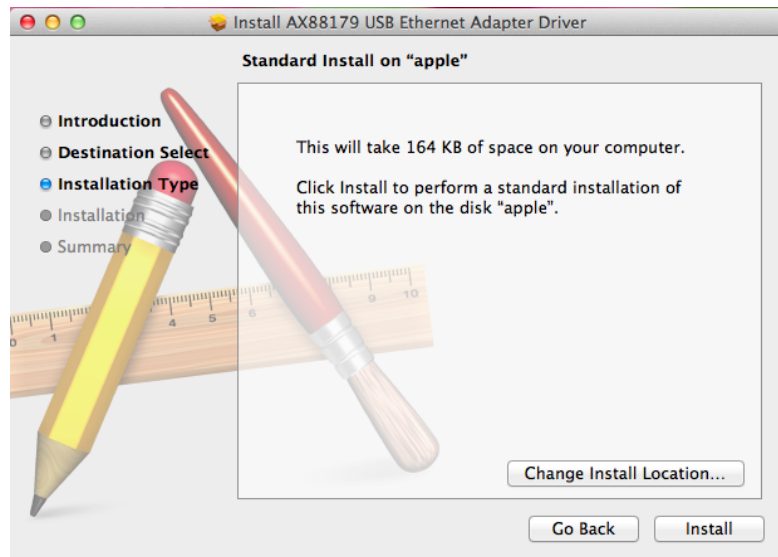
1. Insert the provided driver CD into your CD-ROM drive. Double-click the CD and navigate to the directory of **\Driver\Mac\**
2. Click the **AX88179.dmg**, the **AX88179** virtual disk will be appeared on the Desktop of your Mac OSX system. (This “DISK IMAGE” virtual disk will be auto-removed after rebooting Mac OSX system.)



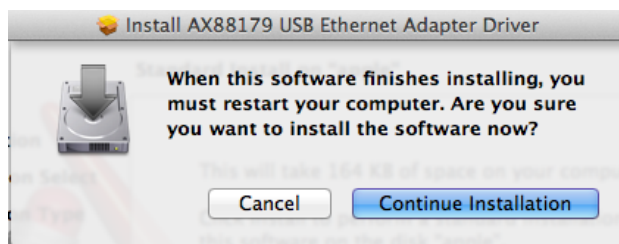
3. Click the **AX88179.pkg**, the following driver setup dialog will appear. Click the **Continue** button to start the installation operation and follow the instructions to continue the installation.



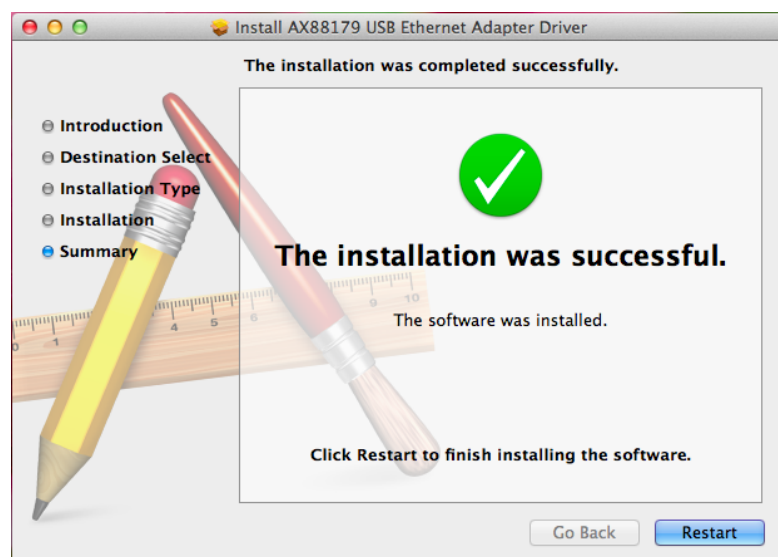
- Click the **Install** button to continue the installation operation.



- Click the **Continue Installation** button to continue the installation operation.



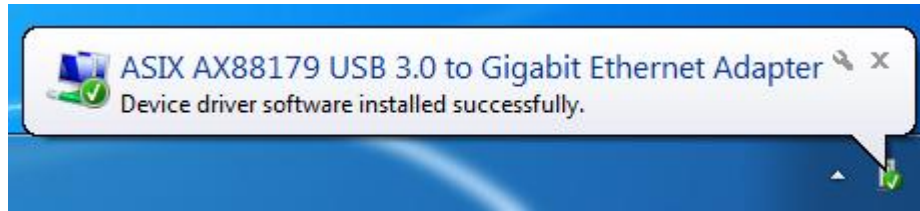
- Click the **[Restart]** button to restart Mac OSX system to take effect the revised driver installation.



Now the installation is complete. You can connect the adapter to a network device by an Ethernet cable:

## Hardware installation

1. Connect the USB end on HUB with Gigabit Ethernet adapters to a free USB port of your computer. Then a pop-up message will appear in the notification area indicating the installation is complete.



\* Actual strings depend on your operation system. These screen shots are from Windows<sup>®</sup>7 and might vary slightly for each operation system.

2. Connect an Ethernet cable to the Ethernet port on the adapter.
3. Connect the other end of the Ethernet cable to your network hub, switch or router.
4. Connect your USB devices to the USB ports on the HUB with Gigabit Ethernet Adapter , if your USB device, such as a printer or optical drive, etc., came with its own AC adaptor, make sure that it is plugged into the device and a working electrical outlet.

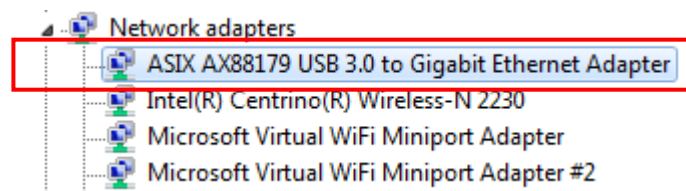
## Verifying the Installation

### on Windows® Operating Systems

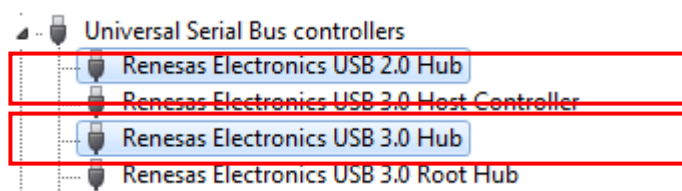
Once you finish the installation, you can open Windows® **Device Manager** to verify if your Ethernet Adapter is properly installed. To access the **Device Manager**:

- On Windows® 7: Right-click **Computer** on the desktop and click **System Properties>Device Manager**
- On Windows® XP: Right-click **My Computer** on the desktop and click **Properties > (Hardware) > Device Manager**.

In the **Network adapters** group, an item named **ASIX AX88179 USB3.0 to Gigabit Ethernet Adapter** should be displayed.



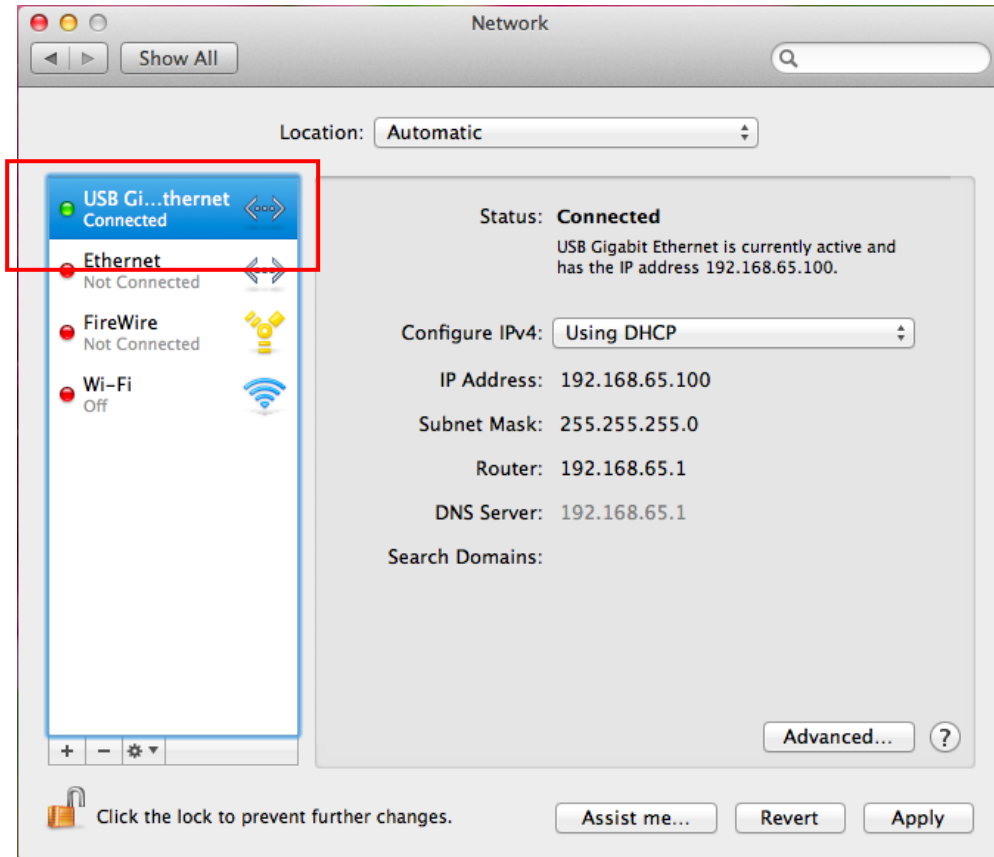
In the **Universal Serial Bus Controllers** group, the item named **USB2.0 HUB & USB3.0 Hub** should be displayed.



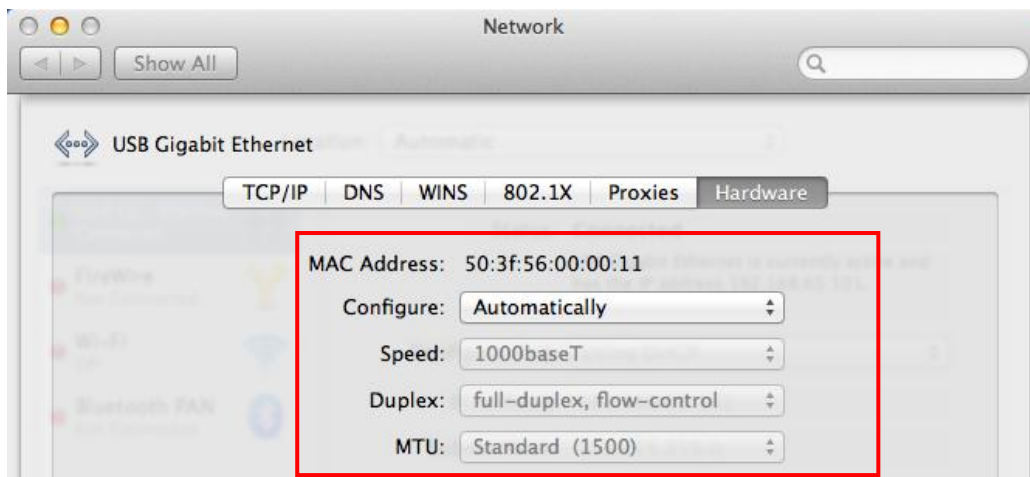
If there is a question or exclamation mark next to that item, then the driver is not properly installed. Please delete the item, select the **Delete the driver software for this device** option (if provided), unplug the adapter from your computer and then repeat the installation steps.

## On Mac OSX

After booting up your Mac OSX system, plug USB3.0 HUB with Gigabit Ethernet Adapter onto the USB port of your Mac OSX system and there is a new Ethernet network interface is available.



Also navigate to **System Preference>Network**, please click on the Ethernet Adapter then Click **Advanced > Hardware** and you will see the speed of your internet..



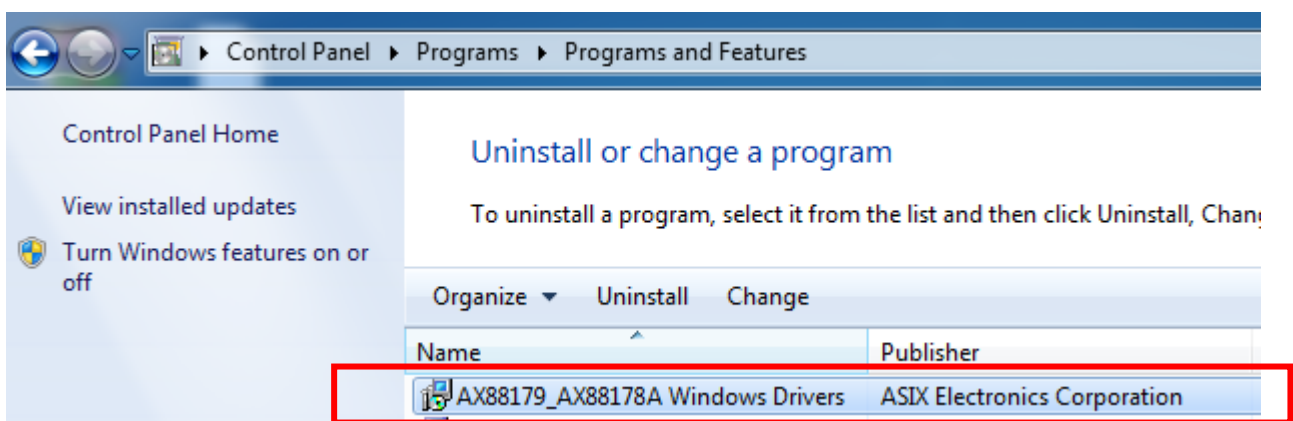
## 3. Uninstalling the Driver

### Uninstalling the Driver

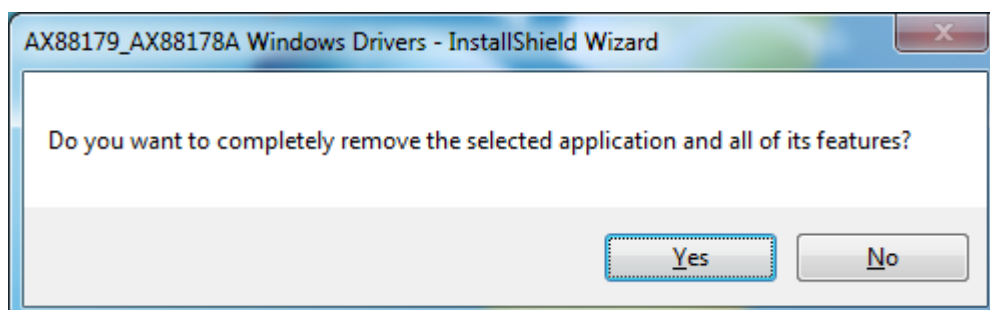
#### On Windows® Operating Systems

Please take these steps to uninstall Driver:

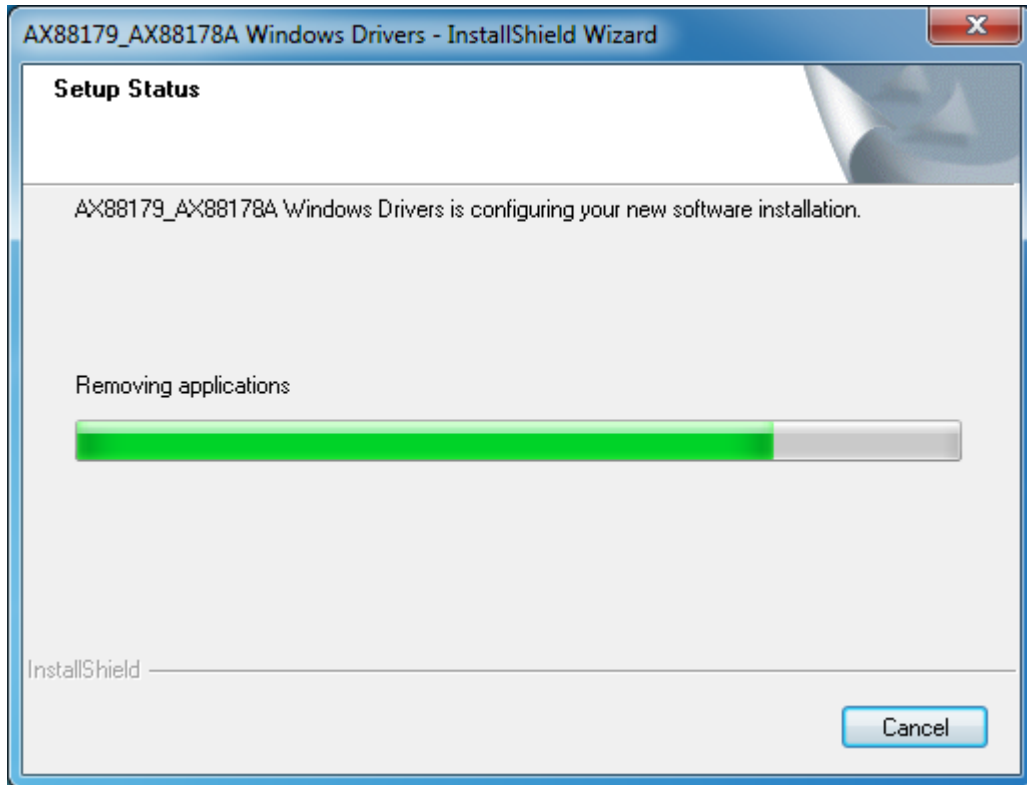
1. Open the **Control Panel, Programs and Features** and double-click **Uninstall a Program** on Windows 7 or **Add or Remove Programs** on XP.
2. Select **AX88179\_AX88178A Windows Driver** and click Uninstall



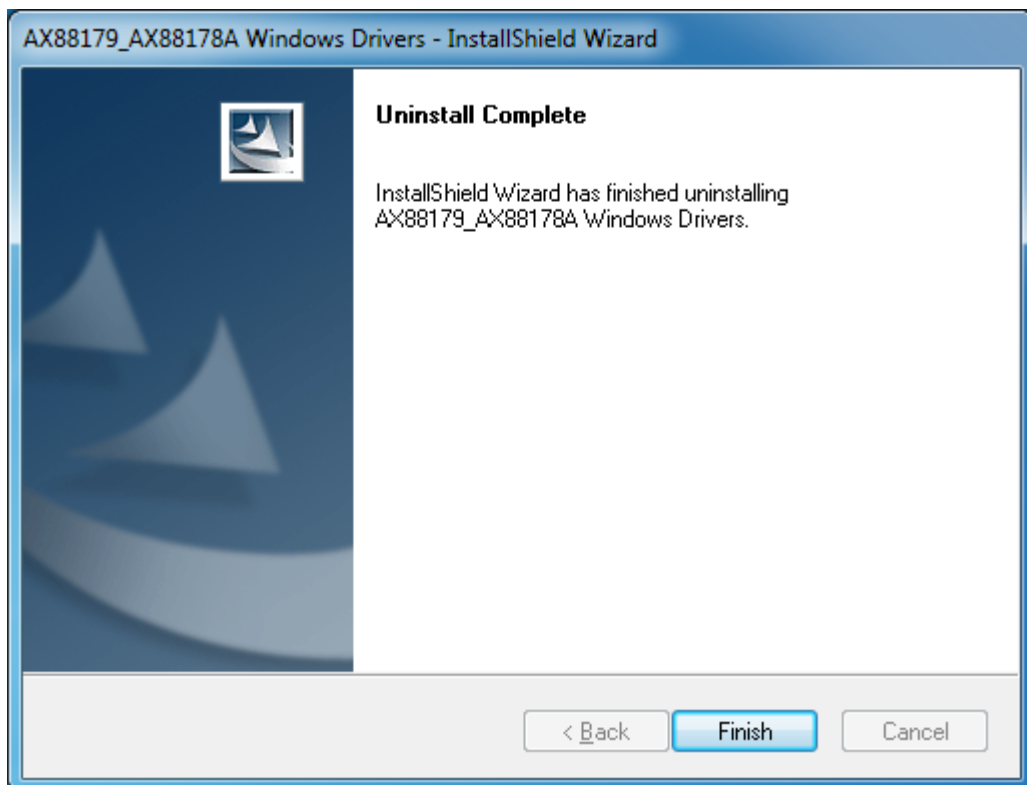
3. Select **[Yes]** to continue the uninstall process.



4. The uninstall process starts automatically.



5. Click **Finish** to complete uninstalls process.



## 4. Specifications

General	
Host Interface	USB 3.0 and USB 2.0 compliant
Operating System Support	<ul style="list-style-type: none"> <li>● Windows® XP, Windows® 7, Windows® 8</li> <li>● Mac® OS10.6 and later.</li> </ul>
Ports and Connectors	
Upstream	1 x Upstream USB 3.0 Port (Type A male Connector)
Downstream	1 x Ethernet Port (RJ-45 connector) 3 x Downstream USB 3.0 Port (Type A female Connector)
LED	
Power LED (Green)	<ul style="list-style-type: none"> <li>● On : When the adapter is powered.</li> </ul>
Link LED (Amber)	<ul style="list-style-type: none"> <li>● On: When connection to a 1000Mbps network</li> <li>● Off: When connection to a 10/100Mbps network</li> </ul>
Status LED (Green)	<ul style="list-style-type: none"> <li>● On/Blinking: LAN activity.</li> <li>● Off: No network traffic.</li> </ul>
Power	
Power Mode	USB Bus -powered
Power Consumption	<ul style="list-style-type: none"> <li>● Operation Mode:488 mA</li> <li>● Suspend Mode : 70 mA</li> </ul>
Physical Specifications	
Housing Material	ABS (Plastic)
Dimensions	<ul style="list-style-type: none"> <li>● Main body without cable: 69(W) x 44(D) x 20(H)mm</li> <li>● Main body with cable: 79 (W) x 44 (D) x 20 (H) mm</li> </ul>
Weight	Approximately 68 g (including cable)
Environmental Specifications	
Operating Temperature	10-40°C

<b>Storage Temperature</b>	-10~80°C
<b>Relative Humidity</b>	< 85% non-condensing
<b>Regulatory Compliances</b>	
<b>Safety, EMI</b>	FCC, CE
<b>RoHS</b>	RoHS compliant

\* Specification is subject to change without further notice.

## 5. Regulatory Compliance

### FCC Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

### CE

This device complies with the following regulations:

EN 55 022: CLASS B

### WEEE Information

For EU (European Union) member users:

According to the WEEE (Waste electrical and electronic equipment) Directive, do not dispose of this product as household waste or commercial waste. Waste electrical and electronic equipment should be appropriately collected and recycled as required by practices established for your country. For information on recycling of this product, please contact your local authorities, your household waste disposal service or the shop where you purchased the product.



## **Technical Support**

Diamond Technical Support staff is here to help resolve any issues that you may be experiencing. Prior to contacting technical support please make sure you have the following information available.

1. Model #: (Printed on the bar code, located on the box)
2. Installation CD Version: (printed on the CD label)
3. The version of Windows that your system is running.
4. The manufacturer and model # of your computer.
5. CPU type and speed (example: Intel Pentium4 2.4GHZ)
6. A complete description of the problem that you are experiencing including any steps that you have taken to try to resolve the issue.

### **Technical Support Options**

#### **Free Telephone Support**

818-357-5165

(long distance rates may apply)

Mon - Fri, 8 - 4:30 PST

<http://www.diamondmm.com>

### **SHIPPING**

Starting June 1st 2009 Diamond Multimedia will pay for shipping cost from Diamond back to US and Canadian customers provided the product is indeed under warranty and there is no damage caused by improper installation or modification of the merchandise. Customers located outside of the United States and Canada or using military addresses (APO,etc) will be required to pay for return shipping. Average shipping times range from 5 to 10 days, depending on actual shipment destination. Shipments made outside the US may take longer to deliver.

Diamond Multimedia reserves the right to claim for shipping fees along with service charges for any product that is returned incomplete or not under warranty. Return Authorization ( RMA ) is required for all warranty return products.

### **ONE YEAR LIMITED WARRANTY**

The warranty described below is extended only to the original buyer and is not transferable.

Diamond warrants to the original purchaser of the hardware product, that the product is free from defects in materials or workmanship under normal use and service for a period of one (1) year from the date of purchase. All cables and accessories provided with a Diamond product are warranted to be free from defects in materials or workmanship under normal use and service for a period of for (90) ninety days from date of purchase.

Diamond's sole obligation under this warranty shall be, at Diamond's option, to: (I) repair the defective product or parts; (II) deliver to customer an equivalent product or part to replace the defective product. When a product or part is replaced or exchanged, that item becomes the customer's property and the replaced or exchanged item becomes Diamond's property. When a refund or replacement product is given, the defective product becomes Diamond's property. Replacement parts or products may be new or include serviceable used parts with at least the same functional equivalence to the original product. If, at the time of repair, a product is "out of warranty" or within the last ninety (90) days of the warranty period, Diamond warrants any repair for ninety (90) days. All software provided is subject to the terms of the associated software end-user license agreement.

## WARRANTY EXCLUSIONS AND LIMITATIONS

TO BE ELIGIBLE FOR THIS WARRANTY, YOU NEED TO PROVIDE THE ORIGINAL SALES RECEIPT SHOWING THE DATE OF PURCHASE OF THE PRODUCT. DIAMOND MAY REQUEST THE ORIGINAL SALES RECEIPT OR A COPY AS PROOF OF THE DATE OF PURCHASE.

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OBTAINING WARRANTY SERVICE: Please review the "help" resources referred to in your products accompanying documentation before seeking warranty service. If the product is still not functioning properly after making use of these resources, please access the support page at <http://www.diamondmm.com/support.php> for warranty instructions and services. Some additional charges may apply for phone support.